INCH-POUND

MIL-DTL-3928/11C
15 August 2001
SUPERSEDING
MIL-S-3928/11B
15 July 1988

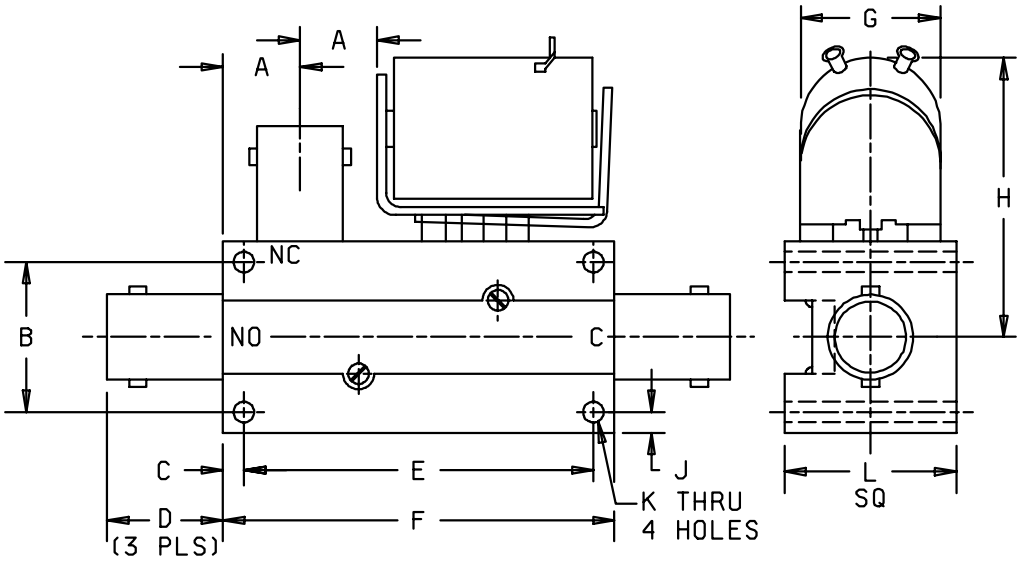
DETAIL SPECIFICATION SHEET

SWITCH, RADIO FREQUENCY
TRANSMISSION LINE (COAXIAL) (ELECTRICALLY OPERATED)
CLASS 7

INACTIVE FOR NEW DESIGN
AFTER 6 SEPTEMBER 1966

This specification is approved for use by all Departments and Agencies of the Department of Defense.

Requirements for acquiring the switch described herein shall consist of this specification and MIL-DTL-3928.



Position 1. (De-energized or fail-safe position),
C connects to NC connector.
Position 2. (Energized position),
C connects to NO connector.

FIGURE 1. PIN M3928/11-01.

Dimensions									
	Inches		Millimeters			Inches		Millimeters	
Letter	Max	Min	Max	Min	Letter	Max	Min	Max	Min
A	.354	.334	8.99	8.48	G	.65	.59	16.5	15.0
B	.560	.540	14.22	13.72	H	1.34	1.28	34.0	32.5
C	.110	.090	2.79	2.29	J	.110	.090	2.79	2.29
D	.59	.53	15.0	13.5	K	.143 dia	.137 dia	3.63 dia	3.48 dia
E	1.747	1.727	44.37	43.87	L	.78	.72	19.8	18.3
F	1.947	1.927	49.45	48.95					

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for general information only (1.00 inch = 2.54 mm).
3. Metric equivalents are in parentheses.
4. Corners of case may be round or square.
5. Unless otherwise specified, tolerances are ± .010 (± 0.25 mm) for three place decimals and ± .03 (±0.8 mm) for two place decimals.

FIGURE 1. PIN M3928/11-01 - Continued.

TABLE I. Electrical and performance characteristics.

PIN M3928/11	Fig. No.	Housing	Manual or remote	Sole-noid or motor	Fail-safe or latch-ing	Freq-uency range DC to GHz	VSWR (max)	Inser-tion loss (max)	Isola-tion (min)	Switching time (max)	Posi-tion indica-ting circuit	Life cycles x 1000	Operating voltage nominal	Pickup voltage (max)	Dropout voltage (max)	Operating current (max) 1/	Holding current fail-safe type 1/ (max)	Power and indicator connector	Weight (max) 2/
								(dB)	(dB)	(ms)						(A)	(A)		(oz)
-01 N	1	O	R	S	F	0.4	1.5:1	0.35	40	10	None	250 3/	28 V dc 4/	18 V dc	14 V dc	0.3	0.3	Solder terminals	12 (341)

1/ At nominal operating voltage and 20 deg C.

2/ Mass in grams in parentheses.

3/ 25,000 cycles under 25 watts RF power, the remainder with no load.

4/ Pulsating dc, 120 Hz ripple (full wave rectified 60 Hz ac).

REQUIREMENTS:

Dimensions and configuration: See figure 1.

RF connectors: Female connectors shall mate with type BNC connectors in accordance with MIL-PRF-39012/16.

Nominal impedance: 50 ohms.

Termination: Open.

RF power handling capability (average): 100 watts.

Electrical and performance characteristics: See table I.

Vibration: Method I.

Operating temperature: -55 deg C to +85 deg C.

Part or Identifying Number (PIN): M3928/11- 01N.

TABLE II. PIN to type cross-reference.

PIN M3928/11-	Type SA- /U
01	1501

Revision letters are not used in this revision to identify changes with respect to the previous issue, due to the extensiveness of the changes.

Custodians:
Army - CR
Navy - EC
Air Force - 11
DLA - CC

Review activities:
Army - MI
Navy - AS, MC, OS, SH
Air Force - 19, 99

Preparing activity:
DLA - CC

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